

## I Claims

1. The specially processed extract of *Radix Stephaniae tetrandrae* (SPRST) contains tetrandrine (Tet), fangchinoline (Fan), cyclanoline (Cyc) oblongine (Obl) alkaloids and other compounds with biological activity.
2. A assay specially processed extract of *Radix Stephaniae tetrandrae* (SPRST) methods,

Standard solution, an accurately weighed amount of the four standard alkaloids, tetrandrine, fangchinoline, cyclanoline and oblongine were dissolved in MeOH;

Calibration curves were established based on five points covering a concentration range of 12.5-250 $\mu$ g/ml for tetrandrine, 12.5-250 $\mu$ g/ml for fangchinoline, 163.7-1637.5 $\mu$ g/ml for cyclanoline, 145-1450 $\mu$ g/ml for oblongine;

Standard solution (20 $\mu$ l) were used for HPLC injections (n=5). Calibration graphs were plotted subsequent to linear regression analysis of the peak area with concentrations.

3. The specially processed extract of *Radix Stephaniae tetrandrae* (SPRST) is a pharmaceutical compound-mixture with anti-inflammatory effects that contains alkaloids such as tetrandrine (Tet), fangchinoline (Fan), cyclanoline (Cyc), and oblongine (Obl) as its main components. Various diluents and excipients could be included in SPRST preparation when necessary.
4. The specially processed extract of *Radix Stephaniae tetrandrae* (SPRST), a pharmaceutical compound-mixture displaying protective effect against ischaemic-reperfusion injury, features alkaloids as its main components including tetrandrine (Tet), fangchinoline (Fan), cyclanoline (Cyc), and oblongine (Obl). Various diluents and excipients could be included in SPRST when necessary.